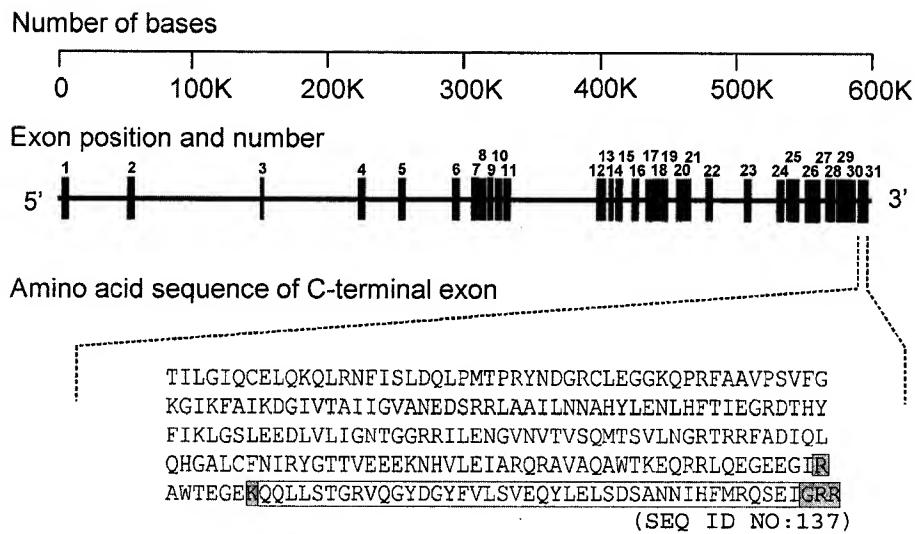


## FIGURE 6B



Appl. No. 10/510,959  
 Andt. Dated May 7, 2009  
 Reply to Office Action of November 7, 2008  
 Replacement Sheet

### Mammalian TCAP Sequences

		Accession Numbers
human	TCAP 1	QOLLSTGRVQGYDCYFVLSVEOYELISDSANNIHEMROSEI-NH2 nm_014253 (SEQ.ID.NO.69)
human	TCAP 2	QOLISTGRVQGYEYYVLPVEQYPHELADSSSNIQFLRQNEH-NH2 xm_047995 (SEQ.ID.NO.78)
human	TCAP 3	QLSAGKVVQGDCYYVLSVEQYPHELADSSANNIQFLRQSEI-NH2 ak001336 (SEQ.ID.NO.85)
human	TCAP 4	QOVESTGRVQGYDCFFVVISVEQYPHELISDSANNIHEMROSEH-NH2 ak056531 (SEQ.ID.NO.94)
mouse	TCAP 1	QOLLGTGRVQGYDCYFVLSVEOYELISDSANNIHEMROSEI-NH2 nm_011855 (SEQ.ID.NO.37)
mouse	TCAP 2	QOLISTGRVQGYEYYVLPVEQYPHELADSSSNIQFLRQNEH-NH2 nm_011856 (SEQ.ID.NO.46)
mouse	TCAP 3	QLSAGKVVQGYDCYYVLSVEQYPHELADSSANNIQFLRQSEI-NH2 nm_011857 (SEQ.ID.NO.53)
mouse	TCAP 4	QOVENITGRVQGYDCFFVFTSVEQYPHELISDSANNIHEMROSEH-NH2 ab025413 (SEQ.ID.NO.66)
Rat	TCAP 2	QOLLSTGRVQGYEYYVLPVEQYPHELADSSSNIQFLRQNEH-NH2 nm_020088 (SEQ.ID.NO.78)

### Avian TCAP Sequences

Chicken	TCAP 1	QOLINTGRVQGYDGFVLSVEQYELISDSANNIHEMROSEI-NH2 aj238613 (SEQ.ID.NO.101)
Chicken	TCAP 2	QOLINTGRVQGYEYYVLPVEQYPHELADSSNNIQFLRQNEH-NH2 aj279031 (SEQ.ID.NO.136)

### Piscine TCAP Sequences

Rainbow trout	TCAP 3	OLISGRKMLCDDYYVLSIEQYPELADSANNIQFLRQSEI-NH2 not entered Yet (SEQ.ID.NO.13)
zebrafish	TCAP 3	OLISSCKMLGIDYYVLSVEQYPHELADSSANVQFLRQSEI-NH2 nm_130968 (SEQ.ID.NO.21)
zebrafish	TCAP 4	OLISSGRVQGYECFYIVSVDOFPHTDNINVHMRQTEM-NH2 ab026980 (SEQ.ID.NO.30)
Insect Drosopholia		ELVQHGDVDGWNG1DIHSIHKYPQLADOPGNVAFQDAK (SEQ.ID.NO.103)

## FIGURE 7A

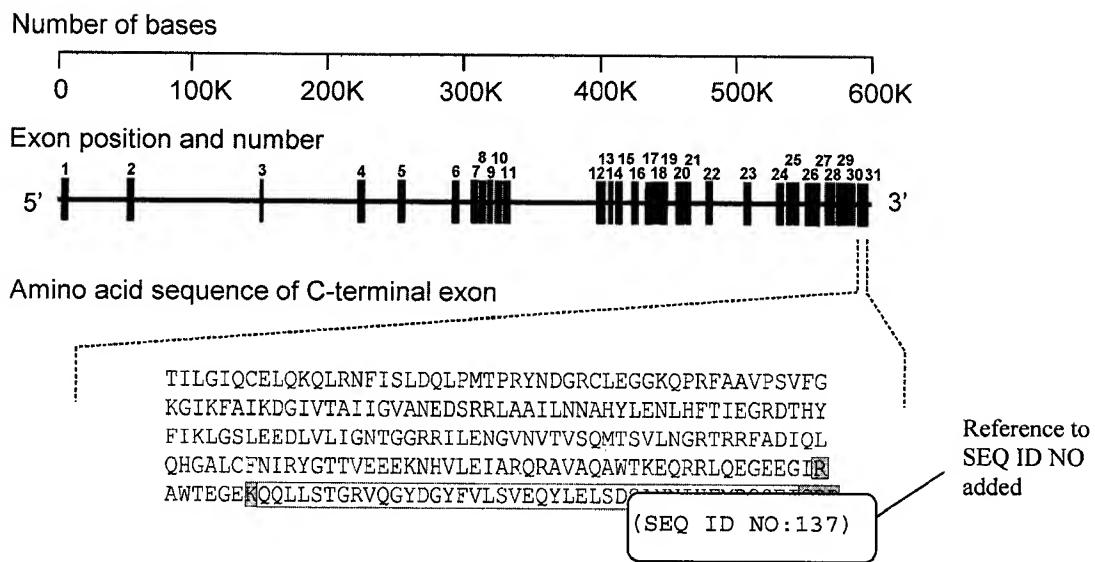
Appl. No. 10/510,959  
 Amdt. Dated May 7, 2009  
 Reply to Office Action of November 7, 2008  
 Replacement Sheet

Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Odz1	<i>M. musculus</i>	QLL <del>I</del> STGRVQGYDGYFVLSVEQYELSDSANNIHFMRQSEI	37	100	
Teneurin-1	<i>G. gallus</i>	QLL <del>N</del> STGRVQGYDGYFVLSVEQYELSDSANNIHFMRQSEI	138	97	97
Odz (odd Oz1/ten-m1) / tenascin M	<i>H. sapiens</i>	QLL <del>S</del> STGRVQGYDGYFVLSVEQYELSDSANNIHFMRQSEI	69	97	97
Mouse DOC4-like protein	<i>H. sapiens</i>	QLL <del>S</del> STGRVQGYDGYFVLSVEQYELSDSANNIHFMRQSEI	69	97	97
DOC4/Ten-m4 / odd Odz4	<i>M. musculus</i>	QLL <del>N</del> STGRVQGYDGYFV <del>T</del> VSVEQYELSDSANNIHFMRQSEI	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	<i>H. sapiens</i>	QLL <del>S</del> STGRVQGYDGYFV <del>V</del> SVEQYELSDSANNIHFMRQSEI	93	85	95
Hypothetical protein/ DK172p564O0423.1 (fragment)	<i>H. sapiens</i>	QLL <del>S</del> STGRVQGYDGYFV <del>V</del> SVEQYELSDSANNIHFMRQSEI	93	85	95
odd Oz/ten-m3/ ODZ3	<i>M. musculus</i>	QLL <del>S</del> AGVQGYDGYVLSVEQYELSDSANNIHFMRQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	<i>H. sapiens</i>	QLL <del>S</del> AGVQGYDGYVLSVEQYELSDSANNIHFMRQSEI	53	80	90
Putative (AK011924)	<i>M. musculus</i>	QLL <del>S</del> AGVQGYDGYVLSVEQYELSDSANNIHFMRQSEI	53	80	90
N/A	<i>R. trout</i>	QLL <del>S</del> GRVIGVGYDGYVLSVEQYELSDSANNIHFMRQSEI	13	80	90
Ten-m3	<i>D. rerio</i>	QLL <del>S</del> GRVIGVGYDGYVLSVEQYELSDANN <del>S</del> HFMRQSEI	21	75	90
Neurestin alpha	<i>R. norvegicus</i>	QLL <del>S</del> STGRVQGYGYVLPVEQYELSD <del>N</del> HFMRQSEI	77	70	90
Teneurin-2	<i>G. gallus</i>	QLL <del>S</del> STGRVQGYGYVLPVEQYELSD <del>N</del> HFMRQSEI	77	70	90
Ten-m2/ ODZ2/ odd Odz2	<i>M. musculus</i>	QLL <del>S</del> STGRVQGYGYVLPVEQYELSD <del>N</del> HFMRQSEI	77	70	90
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKFPz/61F17.1 (fragment)	<i>H. sapiens</i>	QLL <del>S</del> STGRVQGYGYVLPVEQYELSD <del>N</del> HFMRQSEI	77	70	90
Hypothetical protein	<i>H. sapiens</i>	QLL <del>S</del> STGRVQGYGYVLPVEQYELSD <del>N</del> HFMRQSEI	77	70	90
Odd Oz/ten-m2	<i>H. sapiens</i>	QLL <del>S</del> STGRVQGYGYVLPVEQYELSD <del>N</del> HFMRQSEI	77	70	90
Ten-m4	<i>D. rerio</i>	QLL <del>S</del> GRVQGYG <del>S</del> SVQ <del>D</del> DEINNHFMRQSEI	29	57	89
odd Oz/tenascin-like protein/Ten-m gene product	<i>D. melanogaster</i>	QLL <del>S</del> GRVQGYG <del>S</del> AS <del>D</del> Y <del>N</del> DDDN <del>A</del> HFMRQSEI	103	30	60

FIGURE 7B

Appl. No. 10/510,959  
Amdt. Dated May 7, 2009  
Reply to Office Action of November 7, 2008  
Annotated Sheet Showing Changes

## FIGURE 6B



Appl. No. 10/510,959  
 Amdt Dated May 7, 2009  
 Reply to Office Action of November 7, 2008  
 Annotated Sheet Showing Changes

### Mammalian TCAP Sequences

#### Accession Numbers

human TCAP 1	QOLISTGRVQGYDGYFVLSVSEQYLEILSDSANNIHPMROSEI-NH2	nm_014253 (SEQ.ID.NO.69)
human TCAP 2	QOLISTGRVQCYFCYYVLPVEQYPELADSSANIQFLRONEM-NH2	xm_047995 (SEQ.ID.NO.78)
human TCAP 3	QLIISAGKVKQCYDCYYVLSVSEQYPELADSSANIQFLRONEI-NH2	ak001336 (SEQ.ID.NO.85)
human TCAP 4	QOLISTGRVQCYDCEFFVVISSEQYPEL1SDSANNIHPMROSEM-NH2	ak056531 (SEQ.ID.NO.94)
mouse TCAP 1	QOLIGLTGRVQGYDGYFVLSVSEQYLEILSDSANNIHPMROSEI-NH2	nm_011855 (SEQ.ID.NO.37)
mouse TCAP 2	QOLISTGRVQCYECYYVLPVEQYPELADSSANIQFLRONEM-NH2	nm_011856 (SEQ.ID.NO.46)
mouse TCAP 3	QLIISAGKVKQCYDCYYVLSVSEQYPELADSSANIQFLRONEI-NH2	nm_011857 (SEQ.ID.NO.53)
mouse TCAP 4	QOLINTGRVQCYDCEFFVTSVSEQYPEL1SDSANNIHPMROSEM-NH2	ab025413 (SEQ.ID.NO.66)
Rat TCAP 2	QOLISTGRVQCYECYYVLPVEQYPELADSSANIQFLRONEM-NH2	nm_020088 (SEQ.ID.NO.78) with -46- replaced with -46--

### Avian TCAP Sequences

chicken TCAP 1	QOLINTGRVQGYDGYFVLSVSEQYLEILSDSANNIHPMROSEI-NH2	aj238613 (SEQ.ID.NO.101)
chicken TCAP 2	QOLINTGRVQGYEGYYVLPVEQYPBLADSSANIQQLRQNEM-NH2	aj279031 (SEQ.ID.NO.136)

### Piscine TCAP Sequences

Rainbow trout TCAP 3	QOLISGRKMLCYDGYVLSIEQYPELADSANNIQQLRONEI-NH2	not entered Yet (SEQ.ID.NO.13)
zebrafish TCAP 3	OLISSSGKVLGCDGYVLPVEQYPELADSSANVQQLRONEI-NH2	nm_130968 (SEQ.ID.NO.21)
zebrafish TCAP 4	OLISSSGRVRQCYECYYIVSVDOPELTDTNINVHEWOTHEM-NH2	ab026980 (SEQ.ID.NO.30)
Insect Drosopholia	ELVQHGDVDGWNG1DIHS1HKYPQLADOPGNVAFQDAK	(SEQ.ID.NO.103)

## FIGURE 7A

Column Added  


Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Odz1	<i>M. musculus</i>	QLLSTGRVQGYDGYFVLSVEQYELIDSANNIHFMRQSEI	37	100	
Teneurin-1	<i>G. gallus</i>	QLLSTGRVQGYDGYFVLSVEQYELIDSANNIHFMRQSEI	138	97	97
Odz (odd Odz1/ten-m1) / tenascin M	<i>H. sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYELIDSANNIHFMRQSEI	69	97	97
Mouse DOC4-like protein	<i>H. sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYELIDSANNIHFMRQSEI	69	97	97
DOC4/Ten-m4 /odd Odz4	<i>M. musculus</i>	QLLSTGRVQGYDG FVLSVEQYPELSDSANNIHFMRQSEI	61	85	92
Similar to odd Odz/ten-m4/ KIAA1302 protein	<i>H. sapiens</i>	QLLSTGRVQGYDG FVLSVEQYPELSDSANNIHFMRQSEI	93	85	95
Hypothetical protein/ Dkfp2564O04:23.1 (fragment)	<i>H. sapiens</i>	QLLSTGRVQGYDG FVLSVEQYPELSDSANNIHFMRQSEI	93	85	95
odd Odz/ten-m3/ODZ3	<i>M. musculus</i>	QLLSAG[VQGYDG]IVLSVEQYPELIDSANNIHFMRQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748 Putative (AK011924)	<i>H. sapiens</i>	QLLSAG[VQGYDG]IVLSVEQYPELIDSANNIHFMRQSEI	53	80	90
N/A	<i>M. musculus</i>	QLLSAG[VQGYDG]IVLSVEQYPEL DSANNIHFMRQSEI	53	80	90
	<i>R. trout</i>	QLLSAG[VQGYDG]IVLSVEQYPEL DSANNIHFMRQSEI	13	80	90
Ten-m3	<i>D. rerio</i>	QLLSAG[VQGYDG]IVLSVEQYPEL DSANNIHFMRQSEI	21	75	90
Neurestin alpha	<i>R. norvegicus</i>	QLLSTGRVQGYGYIVLVEQYPELDSNIFFRQE	77	70	90
Teneurin-2	<i>G. gallus</i>	QLLSTGRVQGYGYIVLVEQYPELDSNIFFRQE	77	70	90
Ten-m2/ ODZ2/ odd Odz	<i>M. musculus</i>	QLLSTGRVQGYGYIVLVEQYPELDSNIFFRQE	77	70	90
Odd Odz/ten-m2/ KIAA1127 protein / hypothetical protein Dkfzp761f171.1 (fragment)	<i>H. sapiens</i>	QLLSTGRVQGYGYIVLVEQYPELDSNIFFRQE	77	70	90
Hypothetical protein	<i>H. sapiens</i>	QLLSTGRVQGYGYIVLVEQYPELDSNIFFRQE	77	70	90
Odd Odz/ten-m2	<i>H. sapiens</i>	QLLSTGRVQGYGYIVLVEQYPELDSNIFFRQE	77	70	90
Ten-m4	<i>D. rerio</i>	QLLSAG[VQGYDG]IVLSVEQYPELDSNIFFRQE	29	57	89
odd Odz/tenascin-like protein/Ten-m gene product	<i>D. melanogaster</i>	QLLSAG[VQGYDG]IVLSVEQYPELDSNIFFRQE	103	30	60

FIGURE 7B